tun	Model	Training Acc. Validati	on Acc	Testing Acc.	Precision-macro	Precision W	Recall-macro	Recall-W	F1 Micro	F1 Macro	F1 Weighted	Epoch	Note		
un	1 BERT	90	90										2 Random weights, Raw dataset		
	2 BERT	81	83										2 Class weights, Raw dataset		
	3 BERT	82	83										4 Class weights, Raw dataset	No change 2	
	4 BERT	80	85										2 Output Bias, Class weight, Raw dataset	No change 2	
	5 BERT	80	85										6 Output Bias, Class weight, Raw dataset	No change 4	
	6 BERT	89	89										2 Output Bias 2 Output Bias	No change 4	
		94	81										·		
	7 BERT												2 Oversampled dataset		
	8 BERT	96	81										2 class weights, Oversampled dataset	No change 7	
	9 BERT	93	82										2 Output Bias, class weights, Oversampled dataset		
	10 BERT	93	80										2 Output Bias, Oversampled dataset		
	11 BERT	94	80	0.8	1 0.81	0.82	0.81	3.0	31 0.81	0.8	1 0.8	1	2 Class weights, Oversampled dataset		
Jn	Class	TP FP		FN	Precision	Recall	F1								
		0 0	0								!	-	!		
		1 3726	318						Evel.	ation Matri-					
	1	2 756	157						Evalu	Evaluation Metrics					
	•	0 166	590							Precision-macro Recall-macro F1 Macro					
		1 3249	110									_ 1100,01011			
	2	2 699	143						1.0						
		0 166	590												
		1 3249	110						0.9						
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		1 3389	160										_		
	4	2 739	175												
		0 0	0						0.7						
		1 3796	456												
	6	2 627	78						0.6						
		0 3008	696												
		1 3272	1450												
	7	2 4524	462						0.5		,				
		0 3168	675							ights, 634	60m	Class	Ches Children Habe the ches will be	os dias, idute,	
		1 3185	1224	65	3 0.72	0.83	0.77			Her idhts.	idhts.	dias, dias	output ladde sweet dies.	Supplied Supplied	
	9	2 4608	552	39	0.89	0.92	0.91		andon	Weights, Fewerlifts Engl	i Outi	Eiges Cites Output Eiges	Chee. Order thing a state of the state of th	Chesaningthe,	
		0 2432	407	214	4 0.86	0.53	0.66		80	Clas	clas Onth	Onn	Oreign Or		
		1 3497	2114	34	1 0.62	0.91	0.74						v		
	10	2 4476	486	55	2 0.9	0.9	0.9								
		0 3104	660	147	2 0.82	0.68	0.74								
		1 3275	1414	56	3 0.7	0.85	0.77				Metrics	of Class 0			
	11	2 4494	465	50-	4 0.91	0.9	0.9						Precision Recall F1 Score		
											1.00		Flecision Recail F1 3core		
				Run	Precision	Recall	F1								
					1 0	C	0				0.75				
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					4 0.28						0.50		<del>                                     </del>		
					5 0.28										
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					9 0.82						0.00				
											1	2 3	4 5 6 7 8 9	10	
				10	0.86	0.53	0.66	1					D		
											-		Run		



